

POSITIONS AND AREAS OF SUN SPOTS—Continued

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Date	Eastern standard civil time	Heliographic			Area		Total area for each day
		Diff. long.	Longi- tude	Latit- ude	Spot	Group	
Feb. 9 (Naval Observatory).	10 43	°	°	°			
		-59.5	279.8	+13.0	46		
		-19.0	320.3	+13.5	34		
		+1.0	340.3	-14.0	93		
		+13.5	352.8	+8.5	77		
		+14.0	353.3	-19.0	340		
		+16.5	355.8	-4.0	12		
		+29.0	358.3	-7.5	22		
		+58.5	37.8	+20.0	108		
		+73.0	52.3	-13.0	216		
		+86.0	65.3	+8.0	62		1,010
Feb. 10 (Naval Observatory).	11 20	-44.0	281.8	+12.5	31		
		-6.0	319.8	+13.0	31		
		-2.5	323.3	-3.0	46		
		+6.5	332.3	-12.0	3		
		+26.5	352.3	+8.0	93		
		+29.5	355.3	-18.5	324		
		+29.5	355.3	-3.5	15		
		+72.5	38.3	+20.0	108		
		+81.5	47.3	-13.5	62		
							713
Feb. 11 (Naval Observatory).	11 26	-33.0	279.6	+13.5	108		
		+13.0	325.6	-3.5	62		
		+40.5	353.1	+8.5	77		
		+44.0	356.6	-3.0	12		
		+45.0	357.6	-18.0	494		
							753
Feb. 13 (Yerkes).	11 22	-16.0	270.3	+11.0	100		
		+68.0	354.3	+9.0	32		
		+71.0	357.3	-18.0	622		
							754
Feb. 14 (Naval Observatory).	11 28	-76.0	197.1	+18.0	15		
		-70.0	203.1	+13.5	62		
		+8.0	281.1	+13.0	170		
		+54.0	327.1	-3.0	18		
		+87.0	0.1	-17.5	123		
							388
Feb. 15 (Mount Wilson).	13 30	-57.0	201.8	+13.0	20		
		+2.0	260.8	-12.0	7		
		+21.0	279.8	+12.0	61		
		+69.0	327.8	-5.0	10		
							98
Feb. 16 (Naval Observatory).	11 25	-42.0	204.8	+13.0	77		
		+35.0	281.8	+13.5	62		
							139
Feb. 17 (Naval Observatory).	11 29	-27.0	206.6	+12.0	123		
		+5.5	239.1	-8.5	6		
							129
Feb. 18 (Naval Observatory).	10 31	-14.0	206.9	+12.0	216		
							216
Feb. 19 (Naval Observatory).	11 13	+2.0	209.4	+11.5	77		
							77
Feb. 20 (Naval Observatory).	11 19	+14.5	208.7	+12.0	93		
							93
Feb. 21 (Naval Observatory).	11 22	+29.0	209.8	+12.0	62		
							62
Feb. 22 (Naval Observatory).	10 35	-87.0	81.2	-6.0	185		
		+40.0	208.2	+12.5	93		
							278

Date	Eastern standard civil time	Heliographic			Area		Total area for each day
		Diff. long.	Longi- tude	Latit- ude	Spot	Group	
Feb. 23 (Mount Wilson).	12 0	°	°	°	228		
		-71.0	83.2	-5.0			
		-26.0	128.2	-7.0	8		
		+56.0	210.2	+11.0	56		292
Feb. 24 (Naval Observatory).	11 12	-60.0	81.6	-5.5	262		
		+67.5	209.1	+12.0	77		339
Feb. 25 (Naval Observatory).	11 20	-47.5	80.8	-5.5	309		
		+10.5	138.8	-2.5	312		
Feb. 26 (Naval Observatory).	13 50	-32.5	81.3	-5.0	278		
Feb. 27 (Naval Observatory).	11 28	-19.5	82.4	-5.5	293		
Feb. 28 (Naval Observatory).	11 8	-83.5	5.4	-15.0	494		
		-6.0	82.9	-5.0	201		
		+9.0	97.9	+11.0	697		
Mean daily area for Feb- ruary.							582

PROVISIONAL SUN-SPOT RELATIVE NUMBERS FOR
FEBRUARY, 1930¹

February, 1930	Relative numbers	February, 1930	Relative numbers	February, 1930	Relative numbers
1	48	11	79	21	10
2	73	12	55	22	13
3	98	13	47	23	18
4	111	14	37	24	20
5	117	15	18	25	16
6	110	16	26		15
7		17	27		19
8	84	18	23	28	26
9	101	19	18		
10	66	20	8		